

Title (en)

MITRAL VALVE ANNULOPLASTY RING HAVING A POSTERIOR BOW

Title (de)

ANNULOPLASTIERUNG FÜR MITRALKLAPPE MIT EINEM HINTERLIEGENDEN BOGEN

Title (fr)

ANNEAU D'ANNULOPLASTIE POUR VALVULE MITRALE PRESENTANT UN ARC POSTERIEUR

Publication

EP 1519695 B1 20060920 (EN)

Application

EP 03763288 A 20030703

Priority

- US 0321208 W 20030703
- US 19251602 A 20020708

Abstract (en)

[origin: US2004006384A1] A mitral heart valve annuloplasty ring having a posterior bow that conforms to an abnormal posterior aspect of the mitral annulus. The ring may be generally oval having a major axis and a minor axis, wherein the posterior bow may be centered along the minor axis or offset in a posterior section. The ring may be substantially planar, or may include upward bows on either side of the posterior bow. The ring may include a ring body surrounded by a suture-permeable fabric sheath, and the ring body may be formed of a plurality of concentric ring elements. The ring is semi-rigid and the posterior bow is stiff enough to withstand deformation once implanted and subjected to normal physiologic stresses. The ring elements may be bands of semi-rigid material. A method of repairing an abnormal mitral heart valve annulus having a depressed posterior aspect includes providing a ring with a posterior bow and implanting the ring to support the annulus without unduly stressing the attachment sutures.

IPC 8 full level

A61F 2/24 (2006.01); **A61F 2/00** (2006.01)

CPC (source: EP US)

A61F 2/2448 (2013.01 - EP US); **A61F 2250/0018** (2013.01 - EP US)

Cited by

CN102824231A; US11357622B2; US11419720B2; US10856984B2; US11793640B2; US11497602B2; US11779742B2; US11602429B2; US11998447B2; US11413139B2; US11389291B2; US11737872B2; US11464631B2; US11491006B2; US10940001B2; US11311376B2; US11389294B2; US11617650B2; US11931254B2

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